CAMK11000 TECHNICAL DATA

Material Designation

GB	T2
UNS	C11000
EN	/
JIS	C1100

Chemical Composition

Copper, Cu Argentum, Ag	Min. 99.90%
Sulphur, S	≤0.005%
Iron, Fe	≤0.005%
Plumbum, Pb	≤0.005%
Bismuth, Bi	≤0.001%
Arsenic, As	≤0.002%
Stibium, Sb	≤0.002%

Physical Properties

Density	8.91 g/cm3
Electrical Conductivity	Min. 99.7 %IACS
Thermal Conductivity	391.1 W/(m·K)
Melting Point	1083 ℃
Thermal Expansivity	17.3 10^{-6}/ K

Characteristics

CAMK11000 is industrial pure copper with excellent thermal conductivity, corrosion resistance and excellent workability, and is easy to withstand processing such as drawing, riveting, extrusion, winding, deep drawing, and hot forging. There is no "hydrogen embrittlement" under normal conditions, and it can be processed and used under reducing atmosphere conditions, but it is not suitable for processing and use under high temperature oxidation conditions, and the surface will turn purple after an oxide film is formed.

Application

CAMK11000 is mainly used as electrical, thermal and corrosion-resistant components, such as electrical industry (conductive caps, automotive conductive accessories), wires and cables, conductive screws, housings and various conduits and aviation industry.

Mechanical Properties

Specification mm (up to)	Temper	Tensile Strength Min. MPa	Yield Strength Min. MPa	Elongation Min. A%	Hardness Min. HRB
φ 3-40	Y	275	/	10	/
φ 40-80	Y	245	/	12	/
> φ 80	TF00/TB00	Please send an email to ryan@corammaterial.com for more details.			

Advantage

1. We actively respond to any questions from customers and provide shorter delivery times. If customers have urgent needs, we will fully cooperate.
2. We focus on controlling the production process so that the performance of each batch is as consistent as possible and the product quality is excellent.
3. We cooperate with the best domestic freight forwarders to provide customers with sea, rail and air transportation and combined transportation solutions, and have plans for transportation difficulties caused by natural disasters, epidemics, wars and other factors.

Ningbo Coram Material Co., Ltd.
dedicated to quality, dedicated to service.
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